CLAIMS

1. Apparatus for warming a tyre on a wheel to a temperature required for vehicle racing, which apparatus comprises a container in which the tyre is heated, mounting means which is positioned in the container and on which the wheel is mounted, generator means for generating electromagnetic energy of a frequency that heats the tyre, temperature indicator means for indicating the temperature of the tyre, and control means for controlling the operation of the apparatus such that the tyre is controllably heated to a temperature required for vehicle racing.

2. Apparatus according to claim 1 and including rotator means for rotating the wheel in order to ensure even heating of the tyre in the container.

3. Apparatus according claim 1 or claim 2 in which the container is of a size suitable for receiving only one wheel at a time.

4. Apparatus according to any one of the preceding claims in which the container is constructed for quick opening in order to provide ease of access to the wheel to facilitate speedy insertion and removal of the wheel from the container as may be required during racing conditions.

5. Apparatus according to claim 4 in which the container comprises a body and a door which allows full access to the inside of the body.

6. Apparatus according to any one of the preceding claims in which the container is a circular container.

7. Apparatus according to any one of the preceding claims in which the mounting means includes studs on which the wheel is placed.

8. Apparatus according to any one of the preceding claims in which the wheel is horizontally mounted in the container.

9. Apparatus according to any one of claims 1 – 7 in which the wheel is vertically mounted in the container.

10. Apparatus according to any one of the preceding claims in which the generator means is for generating microwave energy as the electromagnetic energy.

11. Apparatus according to any one of claims 1 – 9 in which the generator means is for generating radio frequency energy as the electromagnetic energy.

12. Apparatus according to any one of the preceding claims and in which metal components form an active part of the apparatus.

13. Apparatus according to any one of the preceding claims and which is constructed to be portable.